

N^o 675



A.D. 1904

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COMPLETE SPECIFICATION.

Improvement in Apparatus for Introducing Medicaments into Channel-like Parts of the Body.

I, HERMANN MÜSSIGBRODT, Merchant, of 2A Wallstrasse, Magdeburg. Germany do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

5 The object of this invention is an apparatus by means of which a local treatment of the inside parts of the body, for instance the trachea, intestines, can take place, also different kinds of wounds or channels caused by bullets or stabs, for the purpose of applying remedies in a powder or liquid form.

10 This apparatus is very useful in cases where for example a long and constant washing of a certain part of the channel is required without it being necessary to touch other parts of same.

For this purpose the apparatus, constructed as shown in the annexed drawing, is especially adapted.

Fig. 1 shows a horizontal section

15 Fig. 2 a cross section taken at *x x*.

Fig. 3 the same taken at *y y*.

The letter *a* denotes the basket-like opening part which consists of wires bent against each other at their points, whereby the instrument can be introduced without doing any injury and difficulty.

20 This basket-like part *a* is fastened to a ring *b* which has a larger diameter than the basket-like part. The above mentioned ring is bored through the middle at *c*, suitable conically in order to securely fix the mouth *d* of the introducing tube for medicaments.

Round this bore *c* holes *e* are provided.

25 On the other side of ring *b* is a long, completely open tube *f* tightly joined to it, which surrounds entirely the conducting tube *g* and in the inside space of which the holes *e* empty.

The action of the apparatus is as follows:

30 It is introduced in the usual manner into the channel to be treated, whereby the basket like part *a*, as far as it reaches, spreads out the sides of the channel, the ring *b* causes a closing towards the outside.

35 When the basket like part has reached the proper place, then the introduction of the medicaments takes place, or the injection of the liquid chosen for the local washing through tube *g*, the liquid that has been used flows out through the holes *e* and tube *f*.

Having now particularly described and ascertained the nature of my said invention, and in what manner the same is to be performed, I declare that what I claim is:

40 1) An apparatus for introducing medicaments into wounds or channel-like parts of the body, characterized by the basket like part *a*, carried by the ring *b* provided with holes *e* which empty into a tube proceeding outside substantially as set forth.

[Price 8d.]

Apparatus for Introducing Medicaments into Channel-like Parts of the Body.

2) In an apparatus according to Claim 1 a ring to bear the basket like part, the circumference of said ring being larger than that of the basket like part or of the discharging tube; for the purpose of a secure closing of the channel of the body in its back part substantially as set forth.

3) In an apparatus for introducing medicaments into wounds or channel like parts of the body the combination of a ring, having a conical bore in the middle and holes round this middle bore, a basket like part at one side of the ring and a tube fastened to the other side, a smaller tube lying inside the said tube, fixed in the middle bore of the ring, all as described and for the purpose set forth.

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Dated this 7. day of January 1904.

ERICK PETERS,
Agent for Applicant.

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Fig. 1.

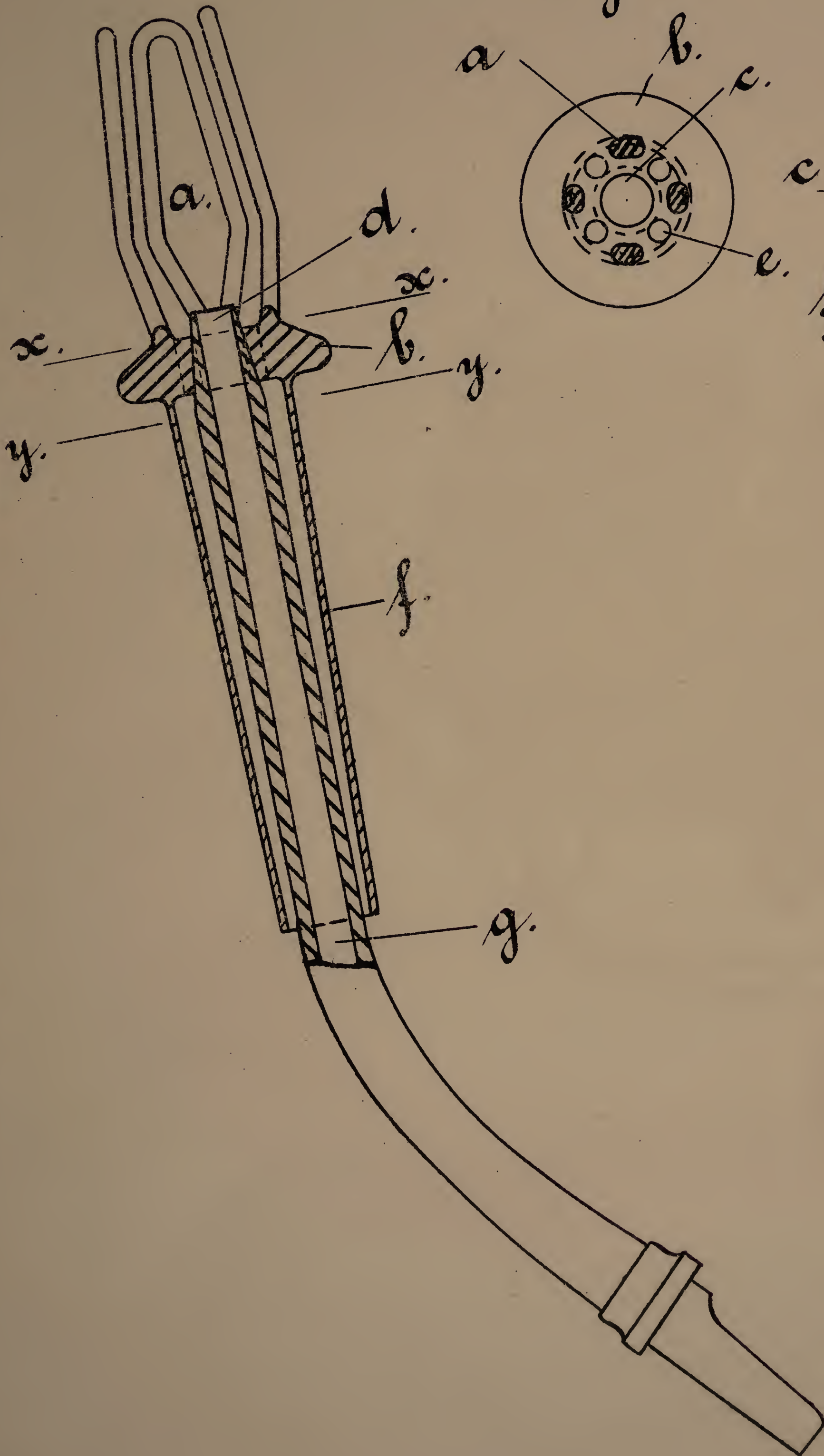


Fig. 2.

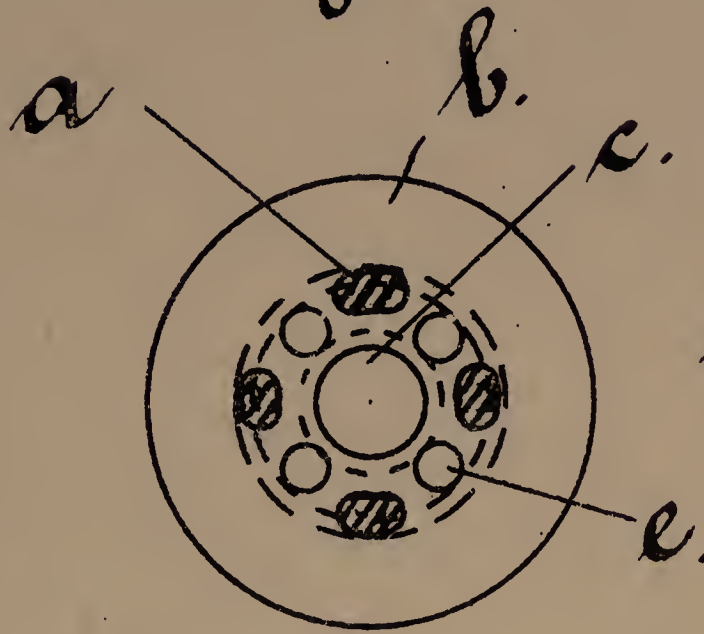
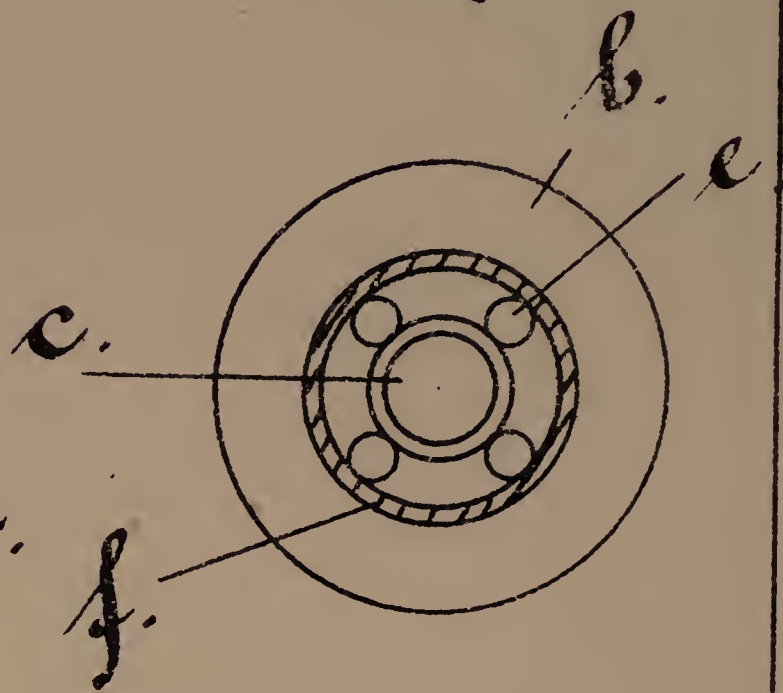


Fig. 3.



[This Drawing is a reproduction of the Original on a reduced scale.]

